MACROFUNGI OF LA BUTTE CREEK, FIDLER-GREYWILLOW AND COLIN-CORNWALL WILDLAND PROVINCIAL PARKS

LACCRIA
LA BUTTE CREEK WILDLAND PROVINCIAL PARK
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JANUARY 2003

104-02496/

Executive Summary

During 2001 and 2002 a project to collect and identify the macrofungi of La Butte Creek, Fidler-Greywillow and Colin-Cornwall Lakes Wildland Provincial Parks, in northeastern Alberta was undertaken. This project was part of a greater biophysical investigation carried out by Parks and Protected Areas' staff, and volunteers from a variety of scientific backgrounds.

The fungi found belong to three major groups; the Ascomycota (cup fungi), Basidiomycota (mushrooms, rusts, smuts, etc.) and Myxomycota (slime molds).

One hundred of the 156 species documented through this study have been previously recorded as occurring in Alberta. Valid Alberta records have yet to be found for the remaining 56 species. Also two species discovered (*Gloeophyllum abietinum* and *Myriosclerotinia caricic-ampullaceae*) are reportedly rare in North America.

This report may be cited as:
Richards, W. M. and D. M. Murray. 2002. Macrofungi of La Butte Creek, Fidler-Greywillow and Colin-Cornwall Lakes Wildland Provincial Parks, Alberta. Prepared for Alberta Community Development, Parks and Protected Areas Division, Edmonton, Alberta.

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Introduction

During July 2001 and July 2002 fieldwork was undertaken by staff of Parks and Protected Areas Division of Alberta Community Development, and volunteers from a variety of scientific backgrounds. The purpose of the fieldwork was to collect baseline biophysical information in three recently established protected areas in northeastern Alberta. As part of this study, the collection and identification of the macrofungi of La Butte Creek, Fidler-Greywillow and Colin-Cornwall Lakes Wildland Provincial Parks (see Map 1) was conducted. This paper represents a snapshot of the mycological flora of these sites, and by no means comprises a definitive listing of fungi for these areas.

These parks are primarily within the Kazan Upland Sub-region of the Canadian Shield Natural Region in northeastern Alberta. La Butte Creek Wildland Provincial Park contains diverse areas of wetland complexes and Precambrian shield outcrops. La Butte Creek itself is a large stream draining from the Kazan Upland. A small portion of the park is bordering on the Slave River in the Peace River Lowland Sub-region.

Fidler-Greywillow Wildland Provincial Park contains one of the most diverse sections of the north shore of Lake Athabasca in Alberta. It has extensive sandy beaches, beach ridges and bedrock outcrops. This area contains the best exposure of Athabasca Sandstone outcrops in the region and has plant species not found south of Lake Athabasca. The park also incorporates a number of islands, including Bustard Island, the largest island in the province.

Colin-Cornwall Lakes Wildland Provincial Park contains diverse areas of wetland complexes and Precambrian shield outcrops. The park is primarily within the Kazan Upland Sub-region.

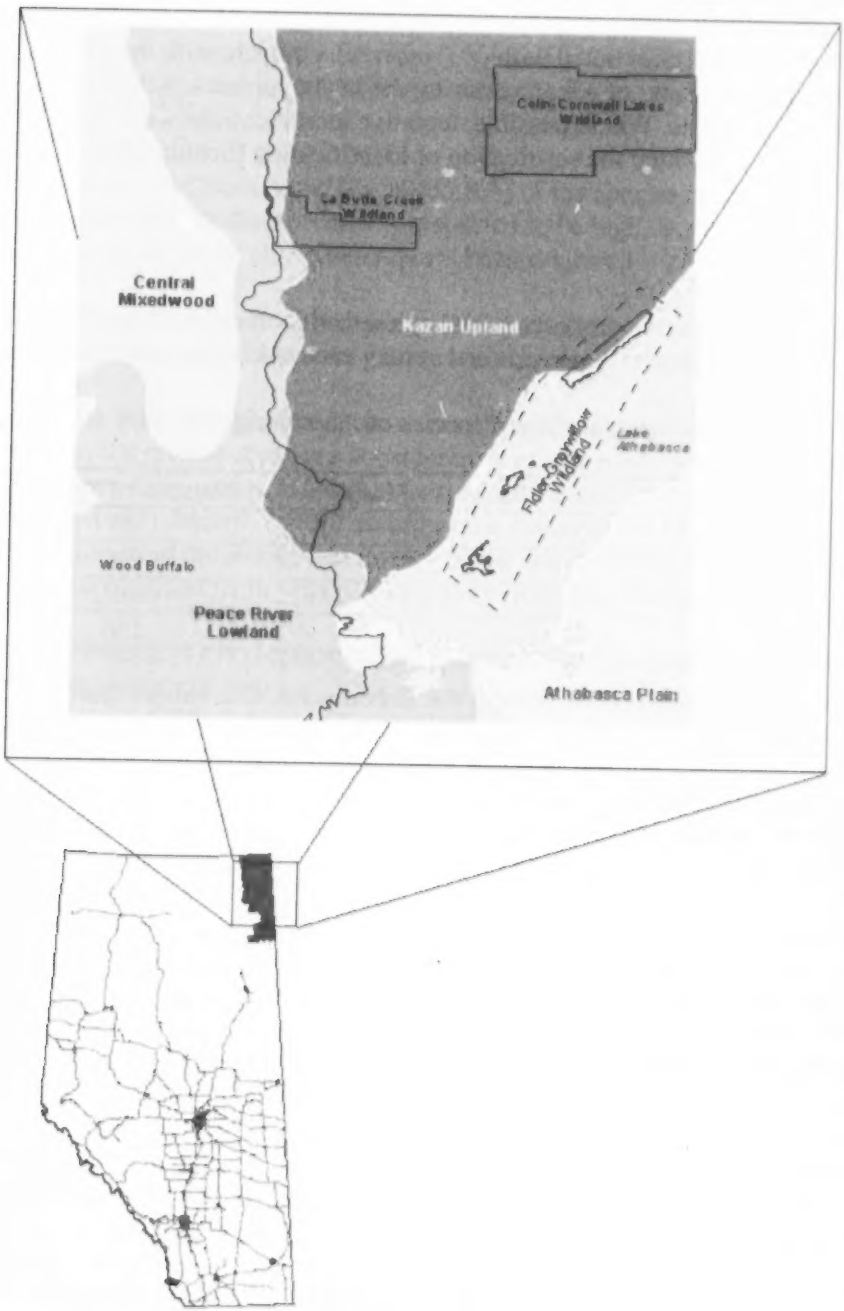
Methods

Observations and collections were limited to the macrofungi. Macrofungi form "fruiting bodies" that are visible to the naked eye and are generally greater than 1 cm in diameter (Redhead 1997). These fruiting bodies are the mushrooms, toadstools and puff-balls that are commonly perceived by the public as "mushrooms". Both terrestrial and arboreal fungi were collected. Fungi were searched for at the microhabitat level (Redhead and Berch 1997), where searches included such habitats as: woody plants (living trees and shrubs); shed bark; leaf and needle litter; course woody debris (dead trees, standing or fallen); beaches and shorelines of lakes, wetlands and creeks; bogs; soil; burn sites and other areas of organic accumulation.

Flying squirrel and other rodents include truffle and secotioid fungi in their diet (Zabel and Walters 1997 & Currah *et al* 2002). For this reason subterranean searches for truffle and false truffles were undertaken at all locations where evidence of rodent digging was noted. This search required scraping and sifting through a large quantity of duff using a three prong garden fork. Searches were restricted to the humus layer and covered an area approximately 40 cm square, which centered on the rodent's original excavation.

As specimens were collected they were placed in numbered and labeled waxed paper bags. Notes on habitat, species name or family (if known); and specimen and spore colour were included. Where spore colour was not readily discernible but required for identification, an

attempt to acquire a spore print was made by placing the specimen on white paper before depositing it in the waxed bag.



Map 1. Locations of Fidler-Greywillow, La Butte Creek and Collin-Cornwall Lakes Wildlands

attempt to acquire a spore print was made by placing the specimen on white paper before depositing it in the waxed bag.

Map 1. Locations of Fidler-Greywillow, La Butte Creek and Collin-Cornwall Lakes Wildlands

Scientific names are based on current nomenclature. Different references were used to identify the different groups of fungi as follows: Brandrud *et al.* (1990,1992, 1994,1998) was used for *Cortinarius*; Overholts (1967) and Gilbertson and Ryvarden (1986-1987) for the polypore groups; Martin and Alexopolos (1969) for the *Myxomycetes*; Smith *et al* (1979) and Kauffman (1918) for the *Agarics*; and Moser (1983) for *Polyporales, Boletales, Agaricales,* and *Russulales*. In addition several important works were used as general identification guides, these include: Arora (1986), Philips (1991), Pomerleau (1980), Smith *et al* (1981), Walters *et al* (1981, 1986, 1991, 1995). Names noted with *cf.* (*conferre*), compare with the species noted but because of the presence (or lack) of a feature during the keying process, a definitive naming could not be made at this time. Where possible, tentative identifications were made in the field, but all specimens were submitted for verification or identification (Schulz 2002).

Results

A complete list of the species found at each park is presented in the appendices. Table 1 contains a summary of the number of species and genera encountered for each park.

Table 1. Numbers of genera represented and species of macrofungi that were collected in three parks.

Park	Number of Genera	Number of Species
La Butte Creek	55	85
Fidler-Greywillow	32	64
Colin-Cornwall Lakes	42	61
Total	129	156

The fungi found belong to three major groups; the Ascomycota (cup fungi), Basidiomycota (mushrooms, rusts, smuts, etc.) and Myxomycota (slime molds). See Appendix 1 for a complete listing of species within these groups. The Ascomycetes are represented by five families with a total of nine species. The Basidiomycetes are represented by 25 families and contain a total of 143 species. The slime moles are represented by three families, each with one species.

Various sources were checked for previous occurrences of fungi in Alberta. One hundred of the 156 species documented by this study have been noted by various authors as occurring in Alberta. These authors include: Abbott 1987, 1989, and 1990; Abbott and Currah 1989; Baranyay 1968; Bradbury 1998; Calgary's Natural Areas 1980; Danielson 1984; Gilbertson 1981; Gilbertson and Ryvarden 1986-1987; Kernaghan and Currah 1998; Larsen and Denison 1978; Lawrence and Hiratsuka 1972; Paul and Etheridge 1958; Redhead 1988 and 1989; Robinson-Jeffrey and Loman 1963; Schalkwijk 1975 & 1989; Schalkwijk-Barendsen 1991 & 1991a; Thomas *et al.* 1960; and Traquair 1980. These authors were the first to report a particular species as occurring in Alberta. Valid Alberta records have yet to be found for the remaining 56 species.

Few species were abundant in any of the parks or in any habitat. *Collybia dryophila* (Bull.:Fr) Kum. within the Family Tricholomataceae was represented at each park, occurring a total of 15 times, and were the most common fungi at La Butte Creek with 10 occurrences. There was a total of 28 species represented within the Tricholomataceae and 31 within the Family

Polyporaceae. The Family Cortinariaceae had 36 species recorded. There were 90 species encountered only once during this study.

No truffles (in the Family Tuberaceae) or false truffles (in the Family Rhizopogonaceae) were discovered in the process of searching rodent dig sites. However, at several locations small gelatinous globules resembling false truffles were discovered. These globules were later determined to be egg sacks of an undetermined spider species.

Discussion

No Alberta records have been found for 56 (35.8%) of the species collected in this study. This number of new records for the province is suspected to be high, as no systematic search of herbaria was made, nor have all written reports been reviewed.

Only the microfungi of Alberta are fully recorded in checklist format (Sigler and Flis 1998). Checklists for the macrofungi have not yet been completed.

Virtually nothing is known of the relative status of any fungi species in Alberta, however two species found in the present study are considered rare. *Gloeophyllum abietinum* (Fr.) Karst., is considered "a very rare species in North America" and is known from Arizona, (Gilbertson and Ryvarden 1986-1987). Murrill (1908) describes the synonymous *G. abietinellum* Murr. as being known only from the Rocky Mountains. There was but one specimen collected during this study; it was obtained from Fidler-Greywillow from dead black spruce.

Schalkwijk-Barendsen (1991) reports *Myriosclerotinia caricic-ampullaceae* (Nyberg.) N.F. Buchw as a "rare, subarctic species". This species has been collected twice (1976 and 1977) at the same location near Winterburn, Alberta. Both prior collections were from sedge as was the present collection from Colin-Cornwall Lakes. As the Schalkwijk-Barendsen collections were believed to be the first report of *M. caricic-ampullaceae* in northwestern North America, these collections were deposited at both the Herbarium (ALTA), University of Alberta, Edmonton, and at the National Mycological Herbarium (DAOM) Ottawa, Ontario (Schalkwijk-Barendsen 1991).

Summary

The total number of species collected in the three parks was minimal as was the number of specimens within each species. There were two main reasons for this:

- Weather conditions leading up to the field surveys had been extremely dry, not just for weeks but for the last several seasons.
- The sample period was restricted in all cases to the dry, midsummer season, which is typically slow in the fruiting of fleshy fungi. Thus, most specimens were obtained from woody substrates or along wetland margins.

The sample period for each location was short and not repeated. According to Redhead and Berch (1997), "all possible sites and microhabitats within these sites must be examined repeatedly as seasons progress". Repeated visits to these remote sites were not, however, possible.

Of the 156 species of fungi documented, 35.8 % (56 species) were not previously reported for Alberta. The number of apparently new species is high, and probably related to the following factors:

- No systemic review of herbaria was done for fungi;
- Fungi are not often included in biophysical studies, so are under-reported.
- A through review of the literature pertaining to fungi in Alberta was not completed.

In Alberta, the macrofungi species have not been ranked for "rarity", however:

- Two species collected during this study are considered rare: *Gloeophyllum abietinum*, (Gilbertson and Ryvarden 1986-1987) and *Myriosclerotinia caricic-ampullaceae*, (Schalkwijk-Barendsen 1991).
- Other species may also be rare, but that is impossible to substantiate at this time due to lack of information.

Fungi are one of the most important groups of organisms on the planet. They are responsible for most of the recycling of organic material back to the soil in a form that can be reused by other organisms. Fungi are vitally important for the growth of trees and most other plants, through mycorrhizal association. Currah and Van Dyk (1986) have, in one study, documented mycorrhizal association with 179 species of perennial plants native to Alberta.

Recommendations

There is a lack of knowledge of the macrofungi in Alberta. More time and research need to be devoted to understanding this group of organisms in the province.

These needs can be achieved by the following two steps:

1. Compile all known records from the existing literature for macrofungi within Alberta (Appendix 5 contains a partial list).
2. Compile all herbarium records for collections of macrofungi in Alberta.

Once these have been accomplished, provincial-wide surveys should be instituted. At a minimum, fungi investigations should be a part of all future biophysical assessments within the province. This will provide a starting point on which to base status assessments of the various species.

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Appendix 1. Taxonomic listing of macrofungi recorded for this study with reference to known Alberta records

Division	Subdivision	Class	Order	Family	Species	Known Alberta Record
Eumycota						
	Ascomycotina					
		Discomycetes				
			Leotiales			
				Leotiaceae		
					Bisporella citrina (Batch ex Fr.) Korf & Carpenter	Abbott and Currah (1989)
					Neobulgaria pura (Fr.) Petrak	
				Sclerotiniaceae		
					Myriosclerotinia caricic-ampullaceae (Nyberg.) N.F. Buchw.	Schalkwijk (1989)
			Pezizales			
				Humariaceae		
					Scutellinia scutellata (L. ex St. Amans) Lambotte	Traquair (1980)
				Morchellaceae		
					Morchella elata Fr.	Schalkwijk (1975)
					Gyromitra esculenta (Pers.) Fr.	Larsen and Denison (1978)
				Pezizaceae		
					Melastiza chateri (W. G. Smith) Boud.	Abbott and Currah (1989)
					Peziza badia Pers. et Merát	Abbott and Currah (1989)
					Peziza praetervisa Bres.	Larsen and Denison (1978)
	Basidiomycotina					
		Gasteromycetes				
			Lycoperdales			
				Lycoperdaceae		
					Lycoperdon perlatum Pers.: Pers.	Traquair (1980)
				Astraeaceae		
					Astraeus hygrometricus (Pers.) Morgan	Danielson (1984)
		Hymenomycetes				
			Agaricales			
				Agaricaceae		
					Agaricus bernardii (Quél.) Sacc.	
					Agaricus silvicola Vitt. Sac.	Schalkwijk-Barendsen (1991)
				Bolbitiaceae		
					Agrocybe praecox (Persoon: Fries) Fayod	Schalkwijk (1989)
					Agrocybe putaminum (Fr.) Sing.	

Division	Subdivision	Class	Order	Family	Species	Previous Alberta Record
				Boletaceae		
					Leccinum insigne Smith	Abbott (1989)
					Leccinum scabrum (Fr.) S. F. Gray	Abbott (1989)
				Coprinaceae		
					Coprinus hemerobius Fr.	
					Coprinus lagopoides Karst.	Schalkwijk (1989)
					Coprinus micaceus (Bull.:Fr.) Fr.	Thomas et al (1960)
					Coprinus truncorum (Scop.) Fr.	Schalkwijk-Barendsen (1991)
					Psathyrella cf. gracilis (Fr.) Quél.	
					Psathyrella cf. phegophila Romagn.	
					Psathyrella cf. velutina (Fr.) Singer	Schalkwijk-Barendsen (1991)
					Psathyrella subnuda (Karst.) A. H. Smith	Schalkwijk-Barendsen (1991)
				Cortinariaceae		
					Cortinarius armillatus (Fr.) Fr.	Danielson (1984)
					Cortinarius brunneus var. *grandicolor* (Fr.:Fr.) Lindstr. & Melot[1]	Kernaghan and Currah (1998)
					Cortinarius cf. casimiri (Velen) Huijsman	
					Cortinarius cf. huronensis Ammirati & Smith	
					Cortinarius cf. jubarinus France:DM	
					Cortinarius cf. privignus Fr.	
					Cortinarius cf. raphanoides (Fr.) Fr.	
					Cortinarius cf. vespertinus (Fr.:Fr.) Fr.	
					Cortinarius citrinifolius Smith	
					Cortinarius helobius Romagn.	
					Cortinarius mucosus (Bull. Ex Fr.) Fr.	Schalkwijk-Barendsen (1991)
					Cortinarius obtusus (Fr.:Fr.) Fr.	Bradbury et al (1998)
					Cortinarius trivialis Lange	Schalkwijk-Barendsen (1991)
					Crepidotus ellipsoideus Hes. et Smith	Schalkwijk-Barendsen (1991)
					Crepidotus mollis (Fr.) Stde.	Traquair (1980)
					Dermocybe cinnamomeobadia (R. Hry.) Mos.	Schalkwijk-Barendsen (1991)
					Dermocybe uliginosa (Berk.) Mos.	Schalkwijk-Barendsen (1991)
					Galerina cinctula Orton	
					Galerina hypnorum (Schrank ex Fr.) Kuehn.	
					Galerina mniophila (Lash.) Kuhn.	
					Galerina paludosa (Fr.) Kuh.	Redhead (1989)
					Gymnopilus cf. humicola Harding ex Singer	
					Hebeloma cf. longicaudum (Fr.) S. S. Lge	
					Hebeloma cf. velatum Peck.	
					Inocybe cf. calamistrata (Fr.) Gill.	

Division	Subdivision	Class	Order	Family	Species	Previous Alberta Record
					Inocybe cf. fastigata (Schaeff.): Quél	Schalkwijk-Barendsen (1991)
					Inocybe cf. frigidula Favre	
					Inocybe cf. gymnocarpa Kuehn	
					Inocybe cf. petiginosa (Fr.: Fr.) Gillet.	Schalkwijk (1989)
					Inocybe lacera (Fr.) Kummer	
					Inocybe mixtilis Britz.	Schalkwijk-Barendsen (1991)
					Inocybe sp. infected with *Cladosporium* sp	
					Tubaria furfuracea (Pers. ex Fr.) Gillet	Schalkwijk-Barendsen (1991)
					Tubaria hiemalis Romagn. Ex Bon.	
					Tubaria pellucida (Bull. Ex Fr.) Gill.	
					Tubaria romagnesiana Arnolds	
				Entolomataceae		
					Rhodocybe caelata (Fr.) Mre.	
				Hygrophoraceae		
					Hygrophorus sp.	
				Paxillaceae		
					Hygrophoropsis aurantiaca (Wulf. ex Fr.) Maire	Schalkwijk-Barendsen (1991)
				Pleurotaceae		
					Pleurotus ostreatus (Jacq. ex Fr.) Singer	Schalkwijk-Barendsen (1991)
				Pluteaceae		
					Pluteus cervinus (Schaeff.) Kumm.	Traquair (1980)
					Pluteus pestatus (Fr.) Gillet	Schalkwijk (1989)
				Russulaceae		
					Lactarius cf. obscuratus (Lasch) Fr.	
					Lactarius fragilis (Burmingham) Hesler & Smith	
					Russula cf. maculata Quél. et Roz.	
					Russula emetica (Schaeff. Ex Fr.) S. F. Gray	Schalkwijk-Barendsen (1991)
					Russula fragilis (Pers. ex. Fr.) Fr.	Schalkwijk-Barendsen (1991)
					Russula vesca Fr.	
				Strophariaceae		
					Kuehneromyces lignicola (Peck.) Redhead	Schalkwijk (1989)
					Pholiota spumosa (Fr.) Sing.	Abbott (1990)
				Tricholomataceae		
					Armillaria mellea (Vahl ex Fr.) Karsten	Paul and Etheridge (1958)
					Clitocybe truncicola (Pk.) Sacc.	Schalkwijk-Barendsen (1991)
					Collybia confusa Orton	Schalkwijk-Barendsen (1991)
					Collybia dryophila (Bull.:Fr.) Kum.	Abbott (1990)
					Collybia marasmioides (Britz) Bresinsky & Romagn	

Division	Subdivision	Class	Order	Family	Species	Previous Alberta Record
					Fayodia pseudoclusilis (Joss. & Konr.) Sing.	
					Hemimycena gracilis (Quél.) Sing.	Schalkwijk-Barendsen (1991)
					Hygrocybe cantharellus (Schw.) Mull.	Schalkwijk (1989)
					Hygrotrama cf. hymenocephalum (Sm. & Hesl.) Sing	
					Laccaria laccata (Scop.: Fr.) Berk. & Br	Traquair (1980)
					Laccaria proxima (Boud.) Pat.	Danielson (1984)
					Lentinus lepideus (Fr. ex Fr.) Fr.	
					Lentinus sulcatus Berkeley	Calgary's Natural Areas (1980)
					Leptista (=*Clitocybe*) sp.	
					Marasmius pallidocephalus Gillam	Traquair (1980)
					Marasmius scorodonius (Fr.) Fr.	
					Marasmius strictipes (Pk.) Singer	Schalkwijk-Barendsen (1991)
					Mycena cf. citrinomarginata Gillet	Schalkwijk-Barendsen (1991)
					Mycena cf. galopus (Pers.:Fr.) Kumm.	
					Mycena cf. stipata M. Geest & Schwobel	
					Mycena filopes (Bull.:Fr.) Kummer	
					Mycena leucogala (Cooke) Sacc.	
					Mycena stannea (Fr.) Quélet	Schalkwijk-Barendsen (1991)
					Omphalina ericetorum (Fr.) M. Lange	Traquair (1980)
					Omphalina pyxidata (Bull. Ex Fr.) Quél.	
					Oudemansiella longipes (St. Ann.) Moser	
					Phyllotopsis nidulans (Fr.) Singer	Schalkwijk-Barendsen (1991)
					Xeromphalina fraxinophila Smith	Redhead (1988)
			Aphyllophorales			
				Corticiaceae		
					Peniophora sp.	Abbott (1987)
					Plicaturopsis crispa (Fr.) Reid.	Bradbury (1968)
				Ganodermataceae		
					Gandoderma applanatum (Pers.) Pat.	Bradbury (1968)
				Hydnaceae		
					Sarcodon scabrosus (Fr.) Karst	Abbott (1990)
				Hymenochaetaceae		
					Coltricia perrenis (Fr.) Murr.	Danielson (1984)
					Phellinus chrysoloma (Fr.) Donk.	Gilbertson and Ryvarden (1987)
					Phellinus ignarius (L.:Fr.) Quél.[2]	Thomas et al (1960)
					Phellinus pini (Thore.:Fr.) A. Ames[3]	Robinson-Jeffrey & Loman (1963)
					Phellinus tremulae (Bond.) Bond. & Boriss.[4]	Paul and Etheridge (1958)

Division	Subdivision	Class	Order	Family	Species	Previous Alberta Record
				Polyporaceae		
					Coriolopsis gallica (Fr.) Ryv.	Gilbertson and Ryvarden (1986)
					Coriolopsis sp.	
					Daedaleopsis confragosa (Bolt.:Fr.) Schroet.	Schalkwijk (1989)
					Fomes fomentarius (L.:Fr.) Kickx	Thomas et al (1960)
					Fomitopsis cajanderi (Karst.) Kotl. et Pouz.[5]	Robinson-Jeffrey & Loman (1963)
					Fomitopsis pinicola (Swartz.:Fr.) Karst.[6]	Robinson-Jeffrey & Loman (1963)
					Fomitopsis rosea (Alb. et Schw.:Fr.) Karst.	Gilbertson (1981)
					Gloeophyllum abietinum (Fr.) Karst.	
					Gleophyllum protractum (Fr.) Imaz.	Gilbertson and Ryvarden (1986)
					Gloeophyllum sepiarium (Fr.) Karst.[7]	Robinson-Jeffrey & Loman (1963)
					Gloeophyllum trabium (Fr.) Murr.	Traquair (1980)
					Gleoporus taxicola (Pers.:Fr.) Gilbn & Ryv.	Gilbertson and Ryvarden (1986)
					Inonotus obliquus (Pers.:Fr.) Pilát	Gilbertson and Ryvarden (1986)
					Irpex lacteus (Fr.:Fr.) Fr.	Schalkwijk (1989)
					Piptoporus betulinus (Bull.:Fr.) Karst.[8]	Bradbury (1968)
					Polyporus alveolaris (DC.:Fr.) Bond & Sing.[9]	Abbott (1987)
					Polyporus brumalis Pers.:Fr.	Schalkwijk-Barendsen (1991)
					Polyporus elegans Bull.:Fr.	Traquair (1980)
					Polyporus melanopus Fr.	Gilbertson and Ryvarden (1987)
					Polyporus squamosus Huds.: Fr.	Gilbertson and Ryvarden (1987)
					Polyporus varius Fr.	Lawrence and Hiratsuka (1972)
					Polyporus varius Persoon:Fries forma nummularis	Schalkwijk (1989)
					Pycnoporus cinnabarinus (Jacq.:Fr.) Karst.	Schalkwijk-Barendsen (1991)
					Skeletocutis amorpha (Fr.) Kokl. & Pouz.	Gilbertson and Ryvarden (1987)
					Trametes cervina (Schw.) Bres.	
					Trametes hirsuta (Wulf.:Fr.) Pil.	Calgary's Natural Areas (1980)
					Trametes pubescens (Schum.:Fr.) Pilát[10]	Bradbury (1968)
					Trametes suaveolens L.:Fr.	Calgary's Natural Areas (1980)
					Trametes versicolor (L.: Fr.) Pilát	Gilbertson and Ryvarden (1987)
					Trichaptum abietinum (Dicks.:Fr.) Ryv.[11]	Bradbury (1968)
					Trichaptum biforme (Fr. in Kl.) Ryv	Abbott (1990)
				Schizophyllaceae		
					Schizophyllum commune Fr.	Schalkwijk-Barendsen (1991)

Division	Subdivision	Class	Order	Family	Species	Previous Alberta Record
				Stereaceae		
					Chondrostereum purpureum Fr. ex Fr.[12]	Paul and Etheridge (1958)
					Stereum hirsutum Fr.	Bradbury (1968)
					Stereum striatum (Fr.:Fr.) Fr.	
				Thelephoraceae		
					Thelephora terrestris Fr.	Danielson (1984)
			Dacrymycetales			
				Dacrymycetaceae		
					Dacrymyces deliquescens (Mérat) Duby	Bradbury (1968)
					Dacrymyces palmatus	
			Tremellales			
				Tremellaceae		
					Exidia glandulosa Fr.	Traquair (1980)
					Exidia nucleata (Schw.) Burt.	
					Tremella foliacea (Pers. & S. F. Gray) Pers.	
	Myxomycotina					
		Myxomycetes				
			Liceales			
				Reticulariaceae		
					Lycogala epidendrum (L.) Fries	Bradbury (1968)
			Physarales			
				Physaraceae		
					Leocarpus fragilis (Dicks) Rost.	
			Stemonitales			
				Stemonitidaceae		
					Stemonitis splendens Rost.	

[1] Previously recorded as species only.

[2] Recorded as *Fomes igniarius* (L. ex Fr) Kickx, and recognized as a synonym by Zeglen (1997)

[3] Recorded as *Fomes pini* (Thore: Fr.) Fr.), and recognized as a synonym by Hiratsuka (1987)

[4] Recorded as *Fomes igniarius* var. *populinus* (Neuman) Camp., and recognized as a synonym by Natural Resources Canada (1996)

[5] Recorded as *Fomes cajanderi* Karst., and recognized as a synonym by Gilbertson and Ryvarden (1986-1987)

[6] Recorded as *Fomes pinicola* (Sw.:Fr.) Cooke, and recognized as a synonym by Hiratsuka (1987)

[7] Recorded as *Lenzites saepiaria* (Wulfen:Fr.) Fr., and recognized as a synonym by Hiratsuka (1987)

[8] Recorded as *Polyporus betulinus* (Bull.:Fr.) Fr., and recognized as a synonym by Hiratsuka (1987)

[9] Recorded as *Favolus alveolaris*, and recognized as a synonym by Gilbertson and Ryvarden (1986-1987)

[10] Recorded as *Polyporus pubescens* (Schum.:Fr.) Pilat, and recognized as a synonym by Gilbertson and Ryvarden (1986-1987)

[11] Recorded as *Polyporus abietinus* (Dickson:Fr.) Donk, and recognized as a synonym by Gilbertson and Ryvarden (1986-1987)

[12] Recorded as *Stereum purpureum* (Pers.) Fr., and recognized as a synonym by Hiratsuka (1987)

Appendix 2. Annotated species list for La Butte Creek Wildland

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
(? Inocybe sp.) infected with Cladosporium sp	on moss with black spruce	12V	485975.90	6581957.42	July 15 2001	LBC107a
Chondrostereum purpureum	on dead aspen poplar bark	12V	491127.72	6580205.28	July 8 2001	LBC032
Clitocybe truncicola	in moss on rotted log	12V	477088.94	6584366.43	July 14 2001	LBC070
Collybia cf. dryophila	on moss in spruce bog	12V	492236.38	6580251.83	July 12 2001	LBC097
Collybia cf. dryophila	on moss in spruce bog	12V	492236.38	6580251.83	July 12 2001	LBC098
Collybia dryophila	on ground in moss in willow forest	12V	474464.27	6587728.02	July 6 2001	LBC011
Collybia dryophila	on moss in white spruce forest	12V	474126.65	6585095.84	July 7 2001	LBC029
Collybia dryophila	on aspen poplar leaves	12V	491127.72	6580205.28	July 8 2001	LBC034
Collybia dryophila	on moss in aspen forest	12V	491127.72	6580205.28	July 8 2001	LBC035
Collybia dryophila	in moss of white spruce /aspen forest	12V	491127.72	6580205.28	July 8 2001	LBC036
Collybia dryophila	in moss in black spruce bog	12V	485975.90	6581957.42	July 10 2001	LBC044
Collybia dryophila	with white spruce and balsam poplar	12V	475891.84	6580230.43	July 11 2001	LBC088a
Collybia dryophila	in white spruce stand	12V	477499.07	6584378.30	July 14 2001	LBC091
Collybia marasmioides	on ground in moss in willow forest	12V	474464.27	6587728.02	July 6 2001	LBC010
Coprinus hemerobius	on mud of beaverdam	12V	489206.86	6580689.96	July 7 2001	LBC016b
Coprinus micaceus	on equisetum sp.	12V	489206.86	6580689.96	July 7 2001	LBC016
Coprinus micaceus	on moss leaves under willow	12V	474853.33	658 41.35	July 6 2001	LBC016a
Coriolopsis gallica	on fallen aspen with bark remaining	12V	474853.33	6585541.35	July 7 2001	LBC082
Coriolopsis sp.	on fallen aspen with bark remaining	12V	474853.33	6585541.35	July 7 2001	LBC120
Cortinarius cf. huronensis	[with moss]	12V	478813.83	6579354.52	July 15 2001	LBC106
Cortinarius cf. huronensis	on moss with black spruce	12V	485975.90	6581957.42	July 15 2001	LBC107
Cortinarius cf. privignus	in duff of white spruce/aspen poplar stand	12V	477499.07	6584378.30	July 14 2001	LBC067
Cortinarius cf. raphanoides	on moss in black spruce bog	12V	492236.38	6580251.83	July 12 2001	LBC094
Cortinarius cf. vespertinus	in moss in black spruce bog	12V	485975.90	6581957.42	July 10 2001	LBC043
Cortinarius citrinifolius	[?]	12V	492236.38	6580251.83	July 12 2001	LBC093
Cortinarius mucosus	on game trail in aspen forest, with grasses, bearberry & vetch	12V	474126.65	6585095.84	July 7 2001	LBC023
Cortinarius trivialis	in moss in alder forest	12V	474126.65	6585095.84	July 7 2001	LBC024

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
Crepidotus ellipsoideus	on dead alder	12V	486095.89	6582093.18	July 10 2001	LBC050
Crepidotus ellipsoideus	on alder/old, dry	12V	477499.07	6584378.30	July 10 2001	LBC059
Crepidotus ellipsoideus	on wood	12V	477499.07	6584378.30	July 14 2001	LBC092
Crepidotus mollis	on dead wood	12V	477783.17	6584510.43	July 14 2001	LBC063
Dacrymyces palmatus	on birch and alder/specimen missing	12V	486095.89	6582093.18	July 10 2001	LBC048
Dacrymyces deliquescens	on rotten balsam poplar	12V	474126.65	6585095.84	July 7 2001	LBC030
Daedaleopsis confragosa	on older fire killed log in black spruce bog	12V	485975.90	6581957.42	July 10 2001	LBC040
Daedaleopsis confragosa	on white birch twig	12V	474853.33	6585541.35	July 7 2001	LBC076
Exidia glandulosa	on alder	12V	477088.94	6584366.43	July 14 2001	LBC074
Exidia nucleata	on dead alder	12V	486095.89	6582093.18	July 10 2001	LBC122
Fayodia pseudoclusilis	on partly decomposed willow leaves	12V	474464.27	6587728.02	July 6 2001	LBC012
Fomes fomentarius	on white birch	12V	474859.30	6587445.19	July 6 2001	LBC003
Fomes fomentarius	on birch	12V	474919.40	6587555.91	July 6 2001	LBC008
Fomes fomentarius	on alder	12V	477499.07	6584378.30	July 10 2001	LBC119
Fomitopsis cajanderi	on rotting balsam poplar log	12V	474919.40	6587555.91	July 6 2001	LBC006a
Fomitopsis pinicola	on dead spruce log	12V	481025.28	6582607.45	July 9 2001	LBC039
Fomitopsis pinicola	on spruce stump	12V	474853.33	6585541.35	July 7 2001	LBC078
Ganododerma applanatum	on wood	12V	474729.26	6587026.10	July 6 2001	LBC004
Gleophyllum sepiarium	on dead wood	12V	486112.51	6581970.06	July 10 2001	LBC053
Gleophyllum sepiarium	on white spruce	12V	499258.40	6579539.65	July 15 2001	LBC108
Gleophyllum trabium	on fire killed pine	12V	485975.90	6581957.42	July 10 2001	LBC046
Gymnopilus cf. humicola	on wood	12V	477088.94	6584366.43	July 14 2001	LBC071
Hemimycena gracilis	on moss in white spruce forest	12V	489206.86	6580689.96	July 8 2001	LBC026
Hygrocybe cantharellus	in sphagnum	12V	493979.68	6577631.01	July 15 2001	LBC111
Hygrophoropsis aurantiaca	on rotten log in swamp with calla and alder	12V	475891.84	6580230.43	July 11 2001	LBC086
Hygrotrama cf. hymenocephalum	on sphagnum	12V	493979.68	6577631.01	July 15 2001	LBC109
Inocybe cf. calamistrata	on willow	12V	492236.38	6580251.83	July 12 2001	LBC095
Inocybe cf. fastigata	on sphagnum in black spruce bog	12V	486112.51	6581970.06	July 10 2001	LBC058
Inocybe cf. frigidula	on ground in mixed white spruce/aspen stand	12V	492236.38	6580251.83	July 12 2001	LBC096
Inocybe cf. gymnocarpa	in saline meadow with willow	12V	478813.83	6579354.52	July 15 2001	LBC116
Inocybe cf. petiginosa	in moss in black spruce swamp	12V	485975.90	6581957.42	July 10 2001	LBC045

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
Inocybe mixtilis	in moss with black spruce	12V	486112.51	6581970.06	July 10 2001	LBC055
Irpex lacteus	on bark of dead alder	12V	491127.72	6580205.28	July 8 2001	LBC033
Irpex lacteus	on wood	12V	477499.07	6584378.30	July 15 2001	LBC102
Leccinum insigne	on edge of aspen stand and black spruce bog	12V	486112.51	6581970.06	July 10 2001	LBC037
Leccinum scabrum	on bare ground on shoreline of La Butte Creek	12V	477783.17	6584510.43	July 14 2001	LBC062
Lentinus lepideus	on dead/dry large driftwood logs	12V	474016.20	6585200.54	July 7 2001	LBC051
Lentinus lepideus	on fire killed black spruce, in area with Labrador tea & wild red raspberry	12V	474853.33	6585541.35	July 7 2001	LBC081
Lentinus sulcatus	on dead/dry wood	12V	474853.33	6585541.35	July 7 2001	LBC123
Leocarpus fragilis	on lichen in moss	12V	477499.07	6584378.30	July 14 2001	LBC069
Lycogala epidendrum	on wood	12V	477499.07	6584378.30	July 14 2001	LBC068
Marasmius pallidocephalus	in moss in white spruce/white birch forest	12V	475063.66	6586400.20	July 7 2001	LBC020
Marasmius pallidocephalus	on bits of spruce cone & needles	12V	474126.65	6585095.84	July 7 2001	LBC028
Marasmius scorodonius	in sphagnum	12V	493979.68	6577631.01	July 15 2001	LBC114
Marasmius strictipes	on wood in white spruce forest-willow area	12V	477499.07	6584378.30	July 14 2001	LBC060
Melastiza chateri	in moss on mud of beaverdam	12V	489206.86	6580689.96	July 8 2001	LBC038
Mycena cf. citrinomarginata	in moss in white spruce/white birch forest	12V	475063.66	6586400.20	July 7 2001	LBC021
Mycena cf. stipata	[?]	12V	486112.51	6581970.06	July 10 2001	LBC057
Omphalina ericetorum	on sphagnum in spruce bog	12V	485975.90	6581957.42	July 10 2001	LBC047
Omphalina ericetorum	on moss in black spruce with sphagnum and rushes	12V	486112.51	6581970.06	July 10 2001	LBC052
Omphalina ericetorum	in sphagnum	12V	493979.68	6577631.01	July 15 2001	LBC117
Oudemansiella longipes	on wood in young aspen stand	12V	493979.68	6577631.01	July 15 2001	LBC118
Oudemansiella longipes	in moss with alder	12V	478813.83	6579354.52	July 15 2001	LBC105
Oudemansiella longipes	in moss with alder	12V	478813.83	6579354.52	July 15 2001	LBC105a
Peniophora sp.	on old spruce	12V	499258.40	6579539.65	July 15 2001	LBC115
Phellinus pini	on old wood	12V	477499.07	6584378.30	July 15 2001	LBC101
Phellinus tremulae	one meter from ground on dead balsam poplar	12V	474919.40	6587555.91	July 7 2001	LBC075
Phellinus tremulae	on aspen poplar	12V	474853.33	6585541.35	July 7 2001	LBC077
Phyllotopsis nidulans	on dead spruce branch	12V	477499.07	6584378.30	July 14 2001	LBC066
Piptoporus betulinus	on dead birch	12V	474853.33	6585541.35	July 7 2001	LBC079

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
Piptoporus betulinus	on dead birch	12V	474853.33	6585541.35	July 7 2001	LBC080
Pleurotus ostreatus	on balsam poplar	12V	474729.26	6587026.10	July 6 2001	LBC002
Plicaturopsis crispa	on birch	12V	474919.40	6587555.91	July 6 2001	LBC009
Plicaturopsis crispa	on alder	12V	475891.84	6580230.43	July 11 2001	LBC083
Plicaturopsis crispa	on alder/ old, dry	12V	477499.07	6584378.30	July 10 2001	LBC121
Pluteus cervinus	on rotting balsam poplar log	12V	474919.40	6587555.91	July 6 2001	LBC006
Pluteus pestatus	growing out the end of a rotted birch log	12V	489206.86	6580689.96	July 8 2001	LBC025
Polyporus alveolaris	on aspen	12V	477783.17	6584510.43	July 14 2001	LBC061a
Polyporus elegans	on alder	12V	477499.07	6584378.30	July 14 2001	LBC090
Polyporus squamosus	on rotted stump	12V	477499.07	6584378.30	July 14 2001	LBC061
Polyporus varius	on birch and rotting balsam poplar	12V	474919.40	6587555.91	July 6 2001	LBC007
Polyporus varius	on balsam poplar	12V	486112.51	6581970.06	July 10 2001	LBC054
Polyporus varius forma *nummularis*	on dead wood	12V	475891.84	6580230.43	July 11 2001	LBC085
Psathyrella cf. gracilis	on leaf litter amongst alder at creek edge	12V	482191.49	6582371.79	July 15 2001	LBC104
Psathyrella cf. velutina	on ground in alder flat	12V	475063.66	6586400.20	July 7 2001	LBC018
Psathyrella cf. velutina	on ground in alder flat	12V	475063.66	6586400.20	July 7 2001	LBC019
Psathyrella subnuda	on moss in white spruce stand	12V	475891.84	6580230.43	July 11 2001	LBC084
Psathyrella subnuda	on ground in open dry meadow with aspen and willow	12V	478813.83	6579354.52	July 15 2001	LBC113
Pycnoporus cinnabarinus	on dead alder	12V	486112.51	6581970.06	July 10 2001	LBC041
Rhodocybe caelata	[?]	12V	475891.84	6580230.43	July 11 2001	LBC087
Rhodocybe caelata Cf.	in black spruce bog	12V	492236.38	6580251.83	July 12 2001	LBC100
Russula cf. fragilis	on alder bark in balsam poplar forest	12V	492236.38	6580251.83	July 12 2001	LBC099
Russula emetica	on sphagnum in wet birch/alder swamp	12V	493979.68	6577631.01	July 15 2001	LBC110
Russula fragilis	in alder swamp	12V	474126.65	6585095.84	July 7 2001	LBC022
Russula fragilis	in white spruce stand	12V	477499.07	6584378.30	July 14 2001	LBC089
Russula fragilis	on mossy log	12V	477499.07	6584378.30	July 15 2001	LBC103
Russula vesca	on the shoreline of recently drawn down La Butte Creek	12V	477783.17	6584510.43	July 14 2001	LBC064
Sarcodon scabrosus	under aspen /specimen moldy	12V	477499.07	6584378.30	July 14 2001	LBC073
Schizophyllum commune	on dead wood	12V	485975.90	6581957.42	July 10 2001	LBC042
Scutellinia scutellata	on mud of beaverdam	12V	489206.86	6580689.96	July 8 2001	LBC031
Stereum hirsutum	rotted birch log	12V	474859.30	6587445.19	July 6 2001	LBC005
Trametes pubescens	on wood	12V	486112.51	6581970.06	July 10 2001	LBC056
Tremella foliacea	on dead alder	12V	486095.89	6582093.18	July 10 2001	LBC049
Tremella foliacea	on alder	12V	475891.84	6580230.43	July 11 2001	LBC083a
Trichaptum biforme	on birch	12V	474919.40	6587555.91	July 6 2001	LBC013
Tubaria furfuracea	on dead wood with moss in white spruce forest	12V	475891.84	6580230.43	July 11 2001	LBC088
Tubaria pellucida	[?]	12V	475063.66	6586400.20	July 7 2001	LBC017

Appendix 3. Annotated species list for Fidler-Greywillow Wildland

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
Agaricus bernardii	on sand near balsam poplar	12V	494503	6513031	July 24 2001	FG070
Armillaria mellea	on ground	12V	547141	6565461	July 20 2001	FG037
Astraeus hygrometricus	on sand at upper beach level	12V	532885.51	6552112.57	July 18 2001	FG014
Astraeus hygrometricus	in sand 2-4 cm deep	12V	547141	6565461	July 20 2001	FG035
Astraeus hygrometricus	on sand of upper beach	12V	521564.95	6532104.53	July 21 2001	FG041
Bisporella citrina	on rotting stick	12V	535656.32	6554192.38	July 19 2001	FG024
Collybia dryophila	on moss in spruce forest	12V	535131.81	6553858.37	July 19 2001	FG019
Collybia dryophila	on feather/feather moss	12V	535483.64	6554269.03	July 20 2001	FG031
Collybia dryophila	on moss	12V	535483.64	6554269.03	July 20 2001	FG033
Coltricia perrenis	on sand with reindeer lichen	12V	536660	6554586	July 19 2001	FG015
Coltricia perrenis	on humus on sand	12V	547141	6565461	July 20 2001	FG040
Coltricia perrenis	on sand along path, with lichen and blueberry	12V	536643	6555716	July 22 2001	FG049
Coltricia perrenis	on sand	12V	514758	6517473	July 24 2001	FG061
Coriolopsis gallica	on fire killed pine	12V	547141	6565461	July 20 2001	FG036
Cortinarius armillatus	on ground in aspen/balsam poplar stand	12V	509615	6520911	July 24 2001	FG069
Cortinarius brunneus var. grandicolor	on moss with black spruce	12V	535131.81	6553858.37	July 19 2001	FG020
Cortinarius brunneus var. grandicolor	on sand at lake edge	12V	529525	6553460	July 23 2001	FG053
Cortinarius cf. casimiri	on sand with rushes at spray line of lake	12V	536660	6554586	July 19 2001	FG017
Cortinarius cf. casimiri	on sand with rushes at spray line of lake	12V	535131.81	6553858.37	July 19 2001	FG018
Cortinarius cf. jubarinus	on sphagnum	12V	535483.64	6554269.03	July 20 2001	FG032
Cortinarius helobius	on sand at lake edge	12V	529525	6553460	July 23 2001	FG053
Daedaleopsis confragosa	on balsam poplar	12V	529525	6553460	July 23 2001	FG056
Dermocybe cinnamomeobadia	in sphagnum	12V	509615	6520911	July 24 2001	FG063
Dermocybe uliginosa	in moss on open bog	12V	535213.77	6553895.56	July 18 2001	FG010
Fomes fomentarius	on birch	12V	532787.66	6552523.92	July 17 2001	FG008
Fomes fomentarius	on birch	12V	533249	6552781	July 26 2001	FG071
Fomitopsis pinicola	on black spruce and jackpine	12V	535131.81	6553858.37	July 18 2001	FG012
Fomitopsis pinicola	on dead black spruce	12V	534057	6553874	July 22 2001	FG051
Fomitopsis pinicola	on balsam poplar	12V	509615	6520911	July 24 2001	FG065
Galerina hypnorum	on moss in black spruce stand	12V	532688.21	6552404.78	July 17 2001	FG002
Galerina paludosa	on moss with black spruce	12V	535131.81	6553858.37	July 19 2001	FG022
Galerina paludosa	on leaf litter in black spruce/aspen	12V	535092.25	6553951.79	July 19 2001	FG026
Galerina paludosa	in sphagnum	12V	535483.64	6554269.03	July 20 2001	FG030
Ganoderma applanatum	on wood	12V	533249	6552781	July 26 2001	FG072
Ganoderma applanatum	on wood	12V	533249	6552781	July 26 2001	FG073
Gloeophyllum abietinum	on dead black spruce	12V	537833	6555131	July 22 2001	FG046
Gymnopilus humicola	on birch	12V	535131.81	6553858.37	July 19 2001	FG021

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
Hebeloma cf. velatum	edge of pine and creek	12V	535656.32	6554192.38	July 19 2001	FG027
Inocybe cf. frigidula	on sand	12V	534970.30	6553653.18	July 20 2001	FG028
Laccaria laccata	on leaf litter in black spruce/aspen	12V	535483.64	6554269.03	July 20 2001	FG029
Laccaria proxima	on sand	12V	537833	6555131	July 22 2001	FG047
Lactarius cf. obscuratus	in leaf litter	12V	547141	6565461	July 20 2001	FG038
Lactarius fragilis	in shade of upturned stump, on moss in sand	12V	534057	6553874	July 22 2001	FG050
Leccinum insigne	with aspen poplar, occasional birch and balsam poplar	12V	509615	6520911	July 24 2001	FG064
Leccinum scabrum	in moss under aspen/birch/white spruce	12V	529525	6553460	July 23 2001	FG054
Leptista (=Clitocybe) sp.	on moss	12V	535213.77	6553895.56	July 18 2001	FG013
Mycena stannea	on moss	12V	547141	6565461	July 20 2001	FG039
Omphalina ericetorum	in spruce bog with liverworts, sphagnum & other mosses	12V	532885.51	6552112.57	July 17 2001	FG001
Omphalina ericetorum	on moss with black spruce (with FG022 - *Galerina paludosa* Fr.)	12V	535131.81	6553858.37	July 19 2001	FG074
Omphalina pyxidata	on moss in black spruce stand	12V	532688.21	6552404.78	July 17 2001	FG006
Peziza badia	growing on sand with moss & liverworts	12V	536660	6554586	July 19 2001	FG016
Phellinus tremulae	on balsam poplar	12V	509615	6520911	July 24 2001	FG066
Piptoporus betulinus	on birch	12V	509615	6520911	July 24 2001	FG068
Pluteus cervinus	on birch log	12V	532688.21	6552404.78	July 17 2001	FG004
Pluteus cervinus	on alder	12V	533081.88	6552783.92	July 17 2001	FG005
Polyporus brumalis	on willow	12V	535656.32	6554192.38	July 19 2001	FG023
Polyporus elegans	on birch or alder	12V	535131.81	6553858.37	July 18 2001	FG009
Polyporus elegans	on wood	12V	535131.81	6553858.37	July 18 2001	FG011
Polyporus elegans	on alder	12V	529525	6553460	July 23 2001	FG055
Polyporus sp.	on sand	12V	535483.64	6554269.03	July 20 2001	FG034
Russula cf. maculata	on ground	12V	535656.32	6554192.38	July 19 2001	FG025
Russula emetica	on sphagnum in black spruce bog	12V	537185	6555035	July 22 2001	FG048
Thelephora terrestris	on moss	12V	532885.51	6552112.57	July 17 2001	FG003
Trichaptum biforme	on birch	12V	532787.66	6552523.92	July 17 2001	FG007
Trichaptum biforme	on balsam poplar	12V	509615	6520911	July 24 2001	FG067

Appendix 4. Annotated species list for Colin-Cornwall Lakes Wildland

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
Agrocybe praecox	on sand under burnt pine	12V	546429	6605262	July 8, 2002	CC074
Agrocybe putaminum	on soil in open pine forest	12V	546429	6605262	July 8, 2002	CC073
Chondrostereum purpureum	on birch	12V	541742.77	6602023.6	July 6, 2002	CC029
Collybia confusa	with moss under black spruce	12V	551063	6608253	July 7, 2002	CC085
Collybia dryophila	with feather moss	12V	541742.77	6602023.6	July 6, 2002	CC009
Collybia dryophila	on rotted wood	12V	541742.77	6602023.6	July 6, 2002	CC044
Coprinus lagopoides	on burnt wood	12V	541742.77	6602023.6	July 6, 2002	CC036
Coriolopsis gallica	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC056
Coriolopsis gallica	on dead conifer	12V	541366.00	6599947.00	July 7, 2002	CC061
Coriolopsis gallica	on dead pine	12V	551063	6608253	July 8, 2002	CC078
Cortinarius obtusus	with moss under black spruce	12V	551063	6608253	July 7, 2002	CC084
Cortinarius obtusus	with moss under black spruce	12V	546605.00	6599986.00	July 9, 2002	CC099
Fomes fomentarius	on birch	12V	541742.77	6602023.6	July 6, 2002	CC013
Fomes fomentarius	on black spruce	12V	541646.42	6602125.3	July 9, 2002	CC103
Fomitopsis cajanderi	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC054
Fomitopsis cajanderi	on dead wood	12V	541366.00	6599947.00	July 7, 2002	CC059
Fomitopsis pinicola	on dead conifer	12V	541646.42	6602125.3	July 6, 2002	CC003
Fomitopsis pinicola	on dead conifer	12V	541646.42	6602125.3	July 6, 2002	CC005
Fomitopsis pinicola	on dead white spruce	12V	541742.77	6602023.6	July 6, 2002	CC010
Fomitopsis pinicola	on birch	12V	550734.03	6601468.7	July 9, 2002	CC100
Fomitopsis rosea	on rotted log	12V	541742.77	6602023.6	July 6, 2002	CC030
Fomitopsis rosea	on cut pine stump	12V	546429	6605262	July 8, 2002	CC075
Galerina cinctula	with moss under black spruce	12V	551063	6608253	July 8, 2002	CC081
Galerina mniophila	with moss under black spruce	12V	546605.00	6599986.00	July 9, 2002	CC097
Gandoderma applanatum	on birch	12V	541742.77	6602023.6	July 6, 2002	CC035
Gleophyllum protractum	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC057
Gleophyllum sepiarium	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC058
Gleophyllum sepiarium	on fire killed conifer	12V	540362.00	6600468.00	July 7, 2002	CC066
Gleophyllum sepiarium	on dead conifer	12V	541742.77	6602023.6	July 6, 2002	CC008
Gleophyllum trabium	on fire killed black spruce	12V	543755.00	6602888.00	July 8, 2002	CC072
Gleoporus taxicola	on unpeeled pine logs of cabin	12V	546610	6600000.6	July 10, 2002	CC105
Gyromitra esculenta	on wood on ground	12V	541742.77	6602023.6	July 6, 2002	CC032
Gyromitra esculenta	on burnt soil	12V	540362.00	6600468.00	July 7, 2002	CC064
Gyromitra esculenta	on buried wood in burnt pine forest	12V	541742.77	6602023.6	July 6, 2002	CC108
Hebeloma cf. *longicaudum*	with moss under black spruce	12V	546605.00	6599986.00	July 9, 2002	CC096
Hygrophorus sp.	with moss under black spruce (specimen missing)	12V	551063	6608253	July 8, 2002	CC086
Inocybe lacera	on ground in burnt pine forest	12V	541742.77	6602023.6	July 6, 2002	CC014
Inonotus obliquus	on birch	12V	541742.77	6602023.6	July 6, 2002	CC017
Irpex lacteus	on fire killed birch	12V	541742.77	6602023.6	July 6, 2002	CC023
Irpex lacteus	on dead wood	12V	541742.77	6602023.6	July 6, 2002	CC037
Kuehneromyces lignicola	on burnt ground with moss	12V	541366.00	6599947.00	July 7, 2002	CC062
Kuehneromyces lignicola	on sand under burnt pine	12V	546429	6605262	July 8, 2002	CC111
Lycogala epidendrum	on burnt black spruce	12V	543755.00	6602888.00	July 8, 2002	CC070a

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
Marasmius scorodonius	on burnt soil with moss	12V	541742.77	6602023.6	July 6, 2002	CC041
Morchella elata	on burnt ground, under white spruce	12V	541742.77	6602023.6	July 6, 2002	CC027
Mycena cf. *galopus*	with moss under black spruce	12V	551063	6608253	July 8, 2002	CC080
Mycena filopes	with moss under black spruce	12V	541366.00	6599947.00	July 7, 2002	CC052
Mycena leucogala	on burnt soil	12V	541742.77	6602023.6	July 6, 2002	CC042
Myriosclerotinia caricic-ampullaceae	on Carex sp.	12V	541366.00	6599947.00	July 7, 2002	CC053
Neobulgaria pura	on burnt black spruce	12V	543755.00	6602888.00	July 8, 2002	CC070b
Omphalina ericetorum	with moss under black spruce	12V	541742.77	6602023.6	July 6, 2002	CC046
Omphalina ericetorum	with moss under black spruce	12V	551063	6608253	July 8, 2002	CC082
Peziza praetervisa	on burnt soil	12V	541742.77	6602023.6	July 6, 2002	CC011
Phellinus chrysoloma	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC055
Phellinus chrysoloma	on dead white spruce	12V	541366.00	6599947.00	July 7, 2002	CC063
Phellinus chrysoloma	on unpeeled pine logs of cabin	12V	546610	6600000.6	July 10, 2002	CC104
Phellinus ignarius	on dead wood	12V	541742.77	6602023.6	July 6, 2002	CC048
Phellinus ignarius	on birch	12V	541366.00	6599947.00	July 7, 2002	CC049
Phellinus igniarius	on birch	12V	541742.77	6602023.6	July 6, 2002	CC033
Phellinus igniarius	on birch	12V	541742.77	6602023.6	July 6, 2002	CC034
Phellinus igniarius	on birch	12V	529639.00	6600841.00	July 9, 2002	CC087
Phellinus tremulae	on aspen popular	12V	541742.77	6602023.6	July 6, 2002	CC015
Pholiota spumosa	on soil	12V	541742.77	6602023.6	July 6, 2002	CC021
Pholiota spumosa	on soil	12V	541742.77	6602023.6	July 6, 2002	CC022
Pholiota spumosa	on wood in burnt ground, under white spruce	12V	541742.77	6602023.6	July 6, 2002	CC026
Pholiota spumosa	on wood in burnt ground, under white spruce	12V	541742.77	6602023.6	July 6, 2002	CC028
Pholiota spumosa	on burnt soil	12V	540362.00	6600468.00	July 7, 2002	CC065
Pholiota spumosa	on burnt soil with moss	12V	543755.00	6602888.00	July 8, 2002	CC071
Pholiota spumosa	on buried wood	12V	551063	6608253	July 8, 2002	CC077
Piptoporus betulinus	on birch	12V	541742.77	6602023.6	July 6, 2002	CC020
Polyporus elegans	on dead wood	12V	541742.77	6602023.6	July 6, 2002	CC047
Polyporus elegans	on birch	12V	541366.00	6599947.00	July 7, 2002	CC050
Polyporus elegans	on birch	12V	529639.00	6600841.00	July 9, 2002	CC088
Polyporus melanopus	on rotted log	12V	541742.77	6602023.6	July 6, 2002	CC019
Polyporus varius	on birch	12V	529639.00	6600841.00	July 9, 2002	CC093
Polyporus varius	on birch	12V	546610	6600000.6	July 10, 2002	CC106
Psathyrella cf. phegophila	on burnt ground, under white spruce	12V	541742.77	6602023.6	July 6, 2002	CC025
Pycnoporus cinnabarinus	on birch	12V	540362.00	6600468.00	July 7, 2002	CC068
Sarcodon scabrosus	on ground	12V	541646.42	6602125.3	July 6, 2002	CC006
Skeletocutis amorpha	on alder	12V	541742.77	6602023.6	July 6, 2002	CC018
Skeletocutis amorpha	on birch	12V	529639.00	6600841.00	July 9, 2002	CC092
Skeletocutis amorpha	on burnt alder	12V	541646.42	6602125.3	July 9, 2002	CC101
Specimen Missing	burnt soil	12V	541742.77	6602023.6	July 6, 2002	CC038
Specimen Unidentifiable	on dead spruce	12V	541742.77	6602023.6	July 6, 2002	CC031
Stemonitis splendens	on birch	12V	529639.00	6600841.00	July 9, 2002	CC091
Stereum hirsutum	on birch	12V	540362.00	6600468.00	July 7, 2002	CC067

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
Stereum striatum	on birch	12V	541366.00	6599947.00	July 7, 2002	CC060
Thelephora terrestris	with moss under black spruce	12V	551063	6608253	July 8, 2002	CC083
Trametes cervina	log in cabin wall	12V	541742.77	6602023.6	July 6, 2002	CC016
Trametes hirsuta	on dead black spruce	12V	546605.00	6599986.00	July 9, 2002	CC095
Trametes hirsuta	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC110
Trametes suaveolens	on birch	12V	541646.42	6602125.3	July 9, 2002	CC102
Trametes versicolor	on dead pine	12V	546429	6605262	July 8, 2002	CC076
Trichaptum abietinum	on white spruce	12V	529639.00	6600841.00	July 9, 2002	CC090
Trichaptum biforme	on fire killed birch	12V	541646.42	6602125.3	July 6, 2002	CC001
Trichaptum biforme	on birch	12V	541646.42	6602125.3	July 6, 2002	CC002
Trichaptum biforme	on dead wood	12V	541742.77	6602023.6	July 6, 2002	CC007
Trichaptum biforme	on birch	12V	541742.77	6602023.6	July 6, 2002	CC012
Trichaptum biforme	on fire killed birch	12V	541742.77	6602023.6	July 6, 2002	CC024
Trichaptum biforme	on birch	12V	541742.77	6602023.6	July 6, 2002	CC045
Trichaptum biforme	on fire killed birch	12V	540362.00	6600468.00	July 7, 2002	CC069
Trichaptum biforme	on birch	12V	529639.00	6600841.00	July 9, 2002	CC094
Tubaria hiemalis	balsam poplar on the ground	12V	541646.42	6602125.3	July 6, 2002	CC004
Tubaria hiemalis	on wood	12V	541366.00	6599947.00	July 7, 2002	CC051
Tubaria romagnesiana	on rotted birch	12V	541742.77	6602023.6	July 6, 2002	CC039
Tubaria romagnesiana	on burnt soil	12V	541742.77	6602023.6	July 6, 2002	CC040
Unidentifiable	on birch	12V	529639.00	6600841.00	July 9, 2002	CC089
Unidentifiable yellow slime	on sphagnum	12V	541366.00	6599947.00	July 10, 2002	CC109
Xeromphalina fraxinophila	on burnt soil with moss	12V	541742.77	6602023.6	July 6, 2002	CC043
Xeromphalina fraxinophila	with moss under black spruce	12V	551063	6608253	July 8, 2002	CC079
Xeromphalina fraxinophila	with moss under black spruce	12V	546605.00	6599986.00	July 9, 2002	CC098
Xeromphalina fraxinophila	with moss under black spruce	12V	541366.00	6599947.00	July 7, 2002	CC107

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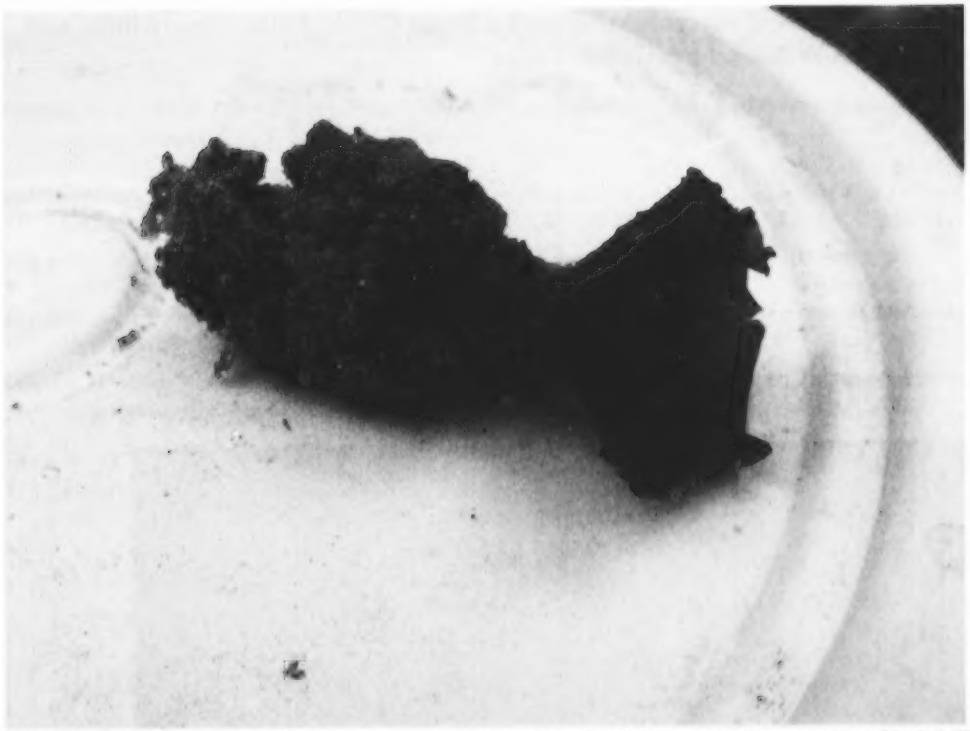
Appendix 6. Photographs of macrofungi from La Butte Creek, Fidler-Greywillow and Colin-Cornwall Lakes Wildland Provincial Parks

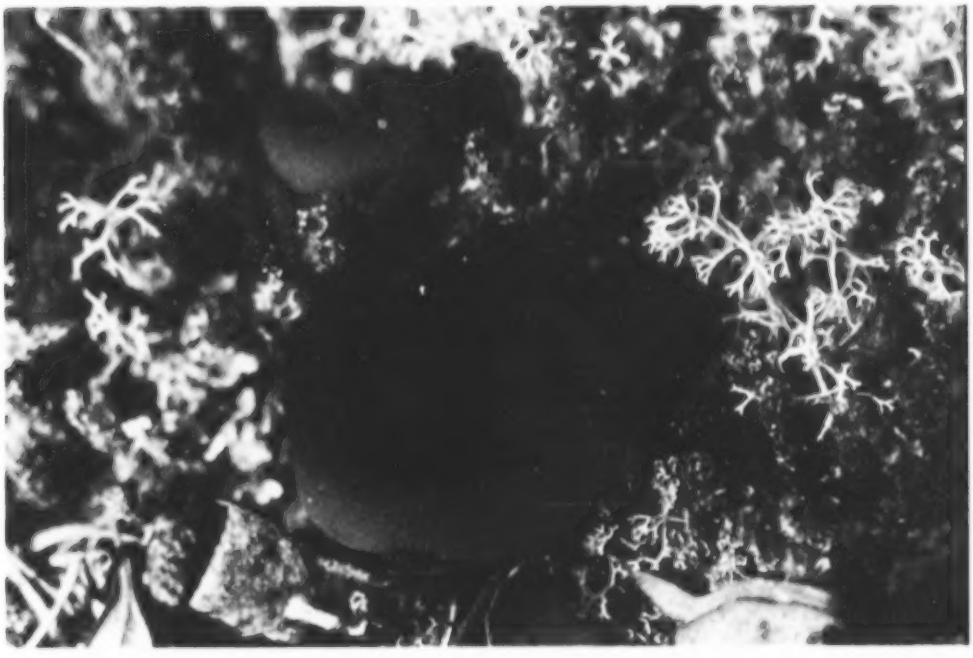
LB061 *Polyporus squamosus*, La Butte Creek Wildland Provincial Park.
Photographer: Drajs Vujnovic



FG034 *Polyporus* sp.? , [Specimen parasitized and with hymenium eaten off (?)] Fidler-Greywillow Wildland Provincial Park.
Photographer: Drajs Vujnovic

FG053 *Cortinarius brunneus* var. *grandicolor*, on sand at lake edge, Fidler-Greywillow Wildland Provincial Park.
Photographer: Lorna Allen

FG024 *Scutellinia scutellata*, on mud of beaver dam, Fidler-Greywillow Wildland Provincial Park.
Photographer: Lorna Allen

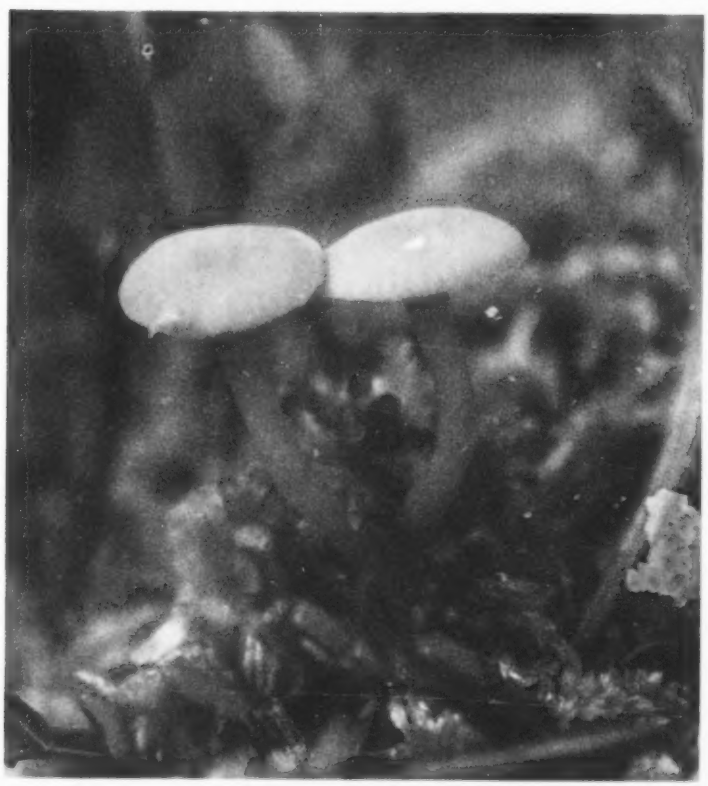


FG016 *Peziza badia*, Fidler-Greywillow Wildland Provincial Park.
Photographer: Lorna Allen

FG001 *Omphalina ericetorum*, Fidler-Greywillow Wildland Provincial Park.
Photographer: Lorna Allen

LB082 *Coriolopsis gallica*, La Butte Creek Wildland Provincial Park.
Photographer: Lorna Allen

LB074 *Exidea glandosa*, La Butte Creek Wildland Provincial Park.
Photographer: Lorna Allen



Laccaria sp., La Butte Creek Wildland Provincial Park.
Photographer: Lorna Allen

Fomitopsis pinicola On black spruce, Colin-Cornwall Lakes Wildland Provincial Park
Photographer: Drajs Vujnovic

Gyromitra esculenta, Colin-Cornwall Lakes Wildland Provincial Park
Photographer: Drajs Vujnovic